



Education & Workforce Development for Automated Vehicles

**Professor Paul Soar
Automotive Technologies
Florida State College at Jacksonville**



Automotive Service Management Technology

Associate in Applied Science

Technical Training in Service,
Diagnosis, and Repair

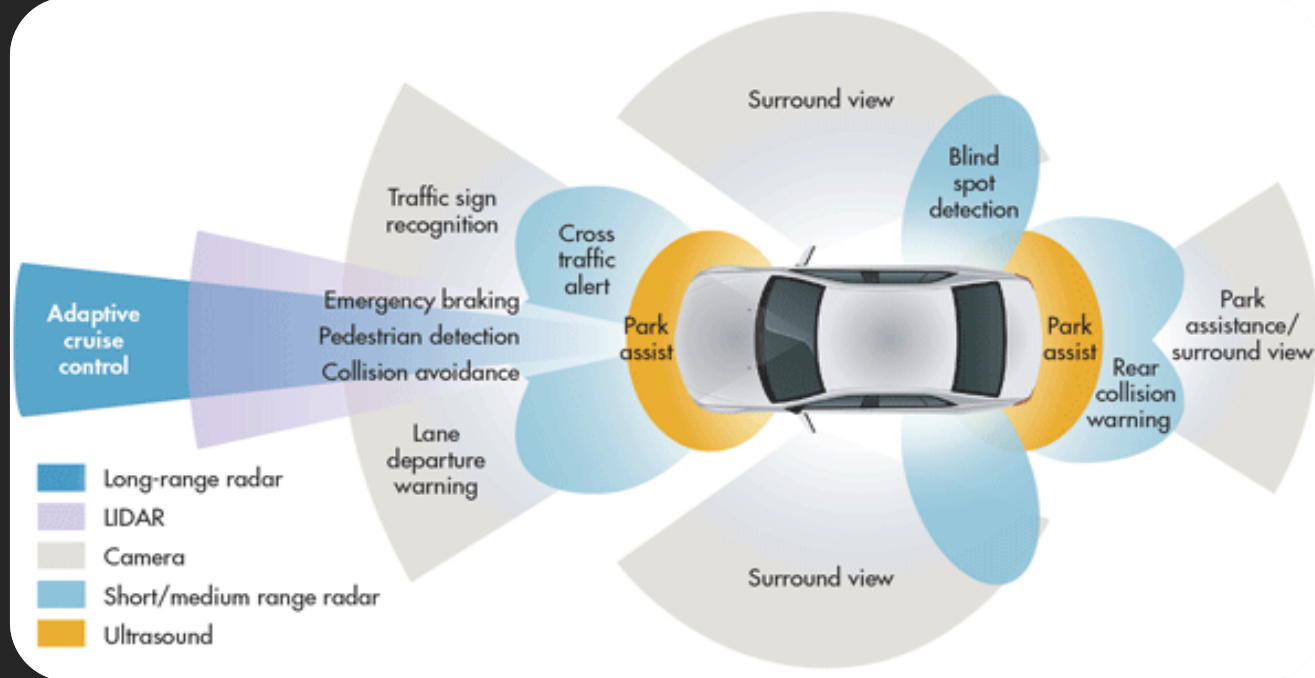
Now including
ADAS & AV's

FSCJ

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at Jacksonville

Advanced Driver Assistance Systems (ADAS)

Current Mainstream Technology





AV service as compared to ADAS service

- Both have similar sensor packages
- Comparable steering and brake controls/components
- AV's technology far exceeds ADAS vehicles:
 - More robust processor utilization
 - Redundancy in sensors
 - AV software more complex
- Level 3 shuttles require mapping and localization before full operation



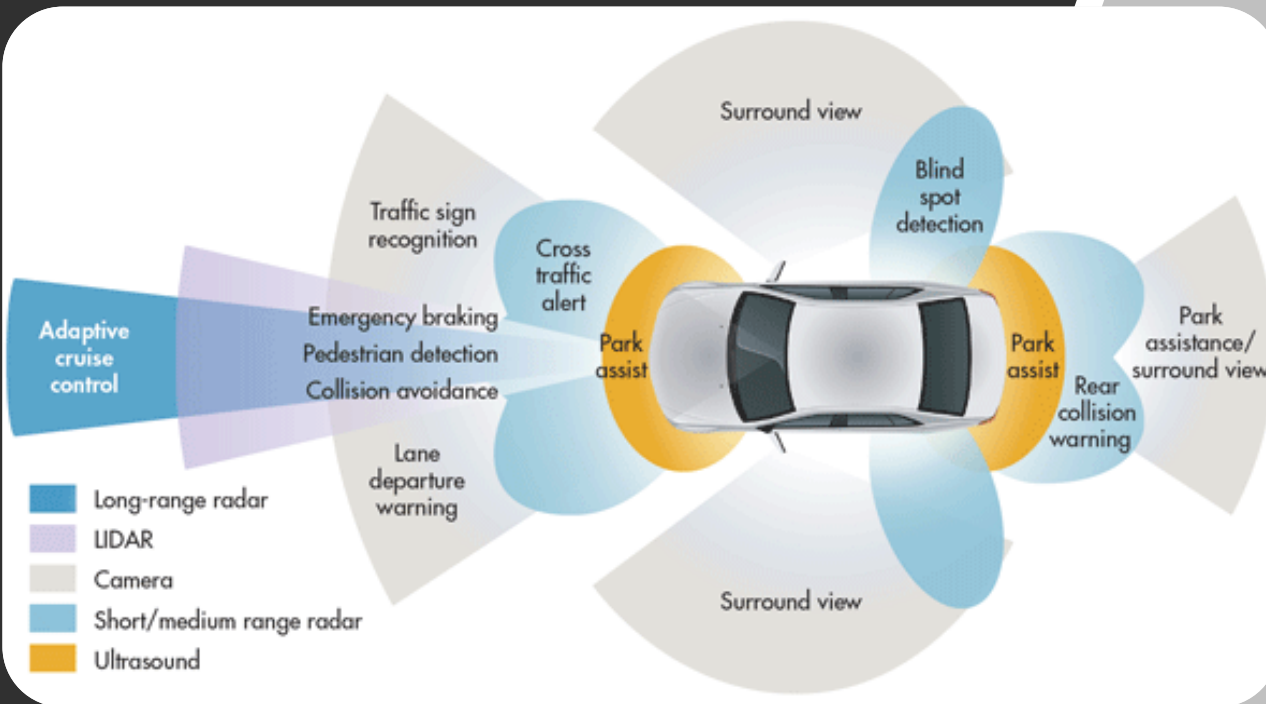
ADASTech

Advanced Driver Assistance Systems

FSCJ

Florida State College
at Jacksonville

ADAS - pre-cursor to Automated Vehicles



Funded through



2000618

ADASTech

Advanced Driver Assistance Systems

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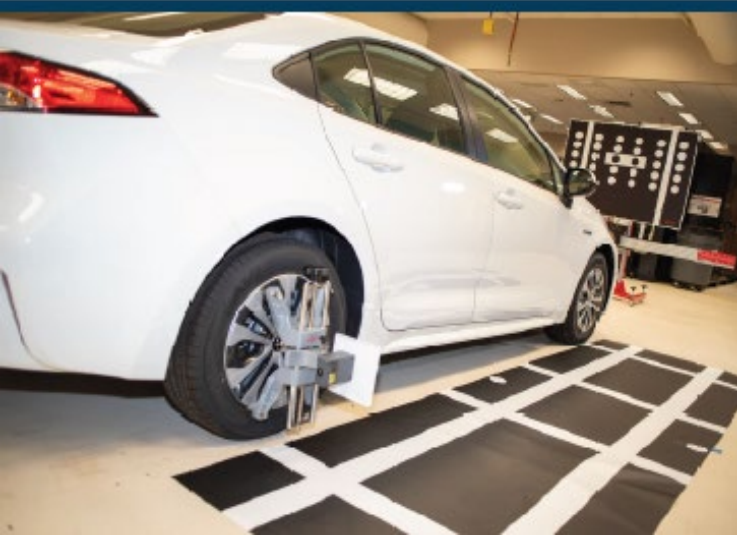
- Create ADAS/AV curriculum
- Offer industry training
- Train the Trainer for secondary teachers
- Career Awareness for high school students

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Advanced Driver Assistance Systems (ADAS) Certification



FSCJ

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Updated Automotive Courses

- Introduction to Automotive
- Electrical Systems I & II (including Data Networks)
- Steering and Suspension (Electric Steering/ Thrust line)
- Brake Systems (Automatic Emergency Braking)

New State Approved Courses

- Advanced Driver Assistance Systems and Diagnosis
- The Connected Car, Autonomous Systems, and Diagnosis

Converging Autonomous Technologies

Identifying Core AV Standards:

- Aviation
- Automotive
- Agriculture
- Underwater marine



==== NATIONAL CENTER FOR ====
AUTONOMOUS TECHNOLOGIES

FSCJ

Florida State College
at Jacksonville



MARINE INSTITUTE

NORTHLAND

COMMUNITY & TECHNICAL COLLEGE



UVU *School of*
AVIATION
SCIENCES

UTAH VALLEY UNIVERSITY

NDSCS

NORTH DAKOTA STATE COLLEGE OF SCIENCE



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